Additional Hands – ons

**Task 1 - Dax task:**

1)Create a pie chart with top 5 sub catogory product sales percentage.

2)Table should contains Product sub category, year, Month, Sales amount and calculate a previous 2 year of sales.

3)Create a card visual should display total sales amount for the Bikes product category in $.

4)Repeat the same as above for Accessories and Clothing product category.

5)Create a multi-row card with the fields Year, Max and Min Sales amount

6)Calculate a average sales percentage and filter the product category not equal to Bikes.

7)Calculate a sumx sales amount and display in a table visual along with these columns product sub category, Orderquantity, unitprice.

8)Calculate totalmtd and datemtd dax function.

**Task 2 - Visual task:**

1)line chart- current year and previous year sales

2)multi row card- current year and previous year sales

3)Matrix- sales show data bars, Sales%, last five years sales%

4)bar chart- product sales based on location and add average line

5)card & slicer- variance of current year selected in slicer and last year sales

6)KPI- total sales with trend of previous yearMap- total sales based on locations. Add colors from high to low

7)Donut chart- Total sales region wise

**Task 3**

Import the 'Date' table and the following change must be made in the data view tab.

1.The 'FullDateAlternateKey' column format should be changed to 'dd-mmm-yyyy'.

Import 'Currency' and 'Sales Territory' and apply the following changes.

1.Only the first letter in the 'CurrencyAlternateKey' column values should be capital , for example 'BSD' should be changed to 'Bsd'.

2.The 'SalesTerritoryKey' column should be sorted in ascending order.

3.The 'SalesTerritoryCountry' column should be set to 'country' data category. (Use data view tab).

**Task 4**

Import the 'Sales' table and the following changes must be made.

1.All the price table values should be rounded off to two decimal points using a single step.

2.Add a new column after 'Freight' column named 'ProfitAmount' and values should be of the formula 'SalesAmount' - 'TotalProductCOst' - 'TaxAmt'- 'Freight'.

3.Add a new column after 'ProfitAmount' column named 'ProfitPercentage' and it should give the profit percentage compared to the 'SalesAmount' and the datatype should be set to Percentage.

**Task 5**

Import 'Promotion' and 'SalesReason' tables and make the following changes.

1.The 'DicountPct' column should be renamed as 'Discount Percentage' and the data type should be set to percentage.

2.Add a new column in 'SalesReason' called 'OrderImportance' and the values should be 'Immediate' if the 'SalesOrderLineNumber' is greater than 4 and 'Normal' if otherwise.

Import 'ProductCategory' and 'ProductSubCategory' and make the following changes.

1.Import the 'EnglishProductCategoryName' column from the 'ProductCategory' table into the 'ProductSubCategory' table using the 'ProductCategoryKey' column.

2.Check the count of ProductSubCategories for each ProductCategory . Delete the step after finding out.

**Task 6**

1.Exclude all the tables from report refresh except 'Sales' table.

2.Go to model view and make all the possible and logical relationships between the tables and explain the cardinalities of the same.

3.Hide all the description columns from the 'Product' table in the report view.

4.Go to the report view tab and refresh . Check whether the 'Sales' table alone is refreshing.

